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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/864,356	05/25/2001	Robert Bennett	1087.1013	4093

21171 7590 07/18/2003

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EXAMINER

GIBSON, RANDY W

ART UNIT	PAPER NUMBER
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2841

DATE MAILED: 07/18/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/864,356	Applicant(s) BENNETT ET AL.	
	Examiner Randy W. Gibson	Art Unit 2841	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 June 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-72 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 55-72 is/are allowed.
- 6) ☒ Claim(s) 1,2,4,6-20,23-34,39,40,45,46,51 and 52 is/are rejected.
- 7) ☒ Claim(s) 3,5,21,22,35-38,41-44,47-50,53 and 54 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 May 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(f) he did not himself invent the subject matter sought to be patented.

2. Claims 1, 4, 6-18, 24-34, 39, 40, 45, 46, 51, and 52 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Mosher. The "metal detection system" which supports a "metal test piece" is the hopper (or conveyor belt (204) in one embodiment) which is used to hold the metal test object until it is discharged along with the contents of other hoppers in a test run (Col. 6, lines 12-60) during normal operation of the apparatus, and the plastic chute (Col. 3, lines 54-57) which allows proper operation of the metal detector. Note that since the metal ball is used again, it is considered to be "recoverably" supported by the test system.

3. Claims 12-14, 17, 18, 25-29, 33, 34, 39, and 40 are rejected under 35 U.S.C. 102(f) as being clearly anticipated by the applicant's own admission of prior art in the written description (page 1). See *In re Nomiya*, 509 F.2d 566, 184 USPQ 607, 610 (CCPA 1975); and *MPEP* § 2129. Note that since the metal ball is used again, it is considered to be "recoverably" supported by the test system.

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4. Claims 1, 6-10, 12, 16-20, 23, 25-27, 29, 31, and 32 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Thompson.

5. Claims 1, 4, 8, 9, 11-13, 14, 16, 17, and 19 are rejected under 35 U.S.C. 102(b) as being anticipated by Nisshin (JP 09 072885). See the European Search Report.

6. Claims 1, 2, 6-10, 12-20, and 23-32 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Hannam et al (EP 0 418 069 A2).

7. Claims 1, 2, 6-10, 12-20, and 23-32 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Hannam et al (GB 2 235 981 A).

Conclusion

8. Claims 3, 5, 21, 22, 35-38, 41-44, 47-50, 53 & 54 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Claims 55-72 are allowable over the art of record.

9. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not

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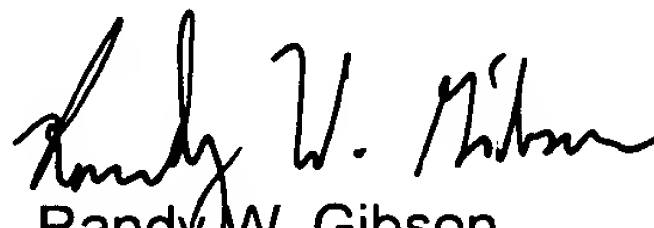
mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Randy W. Gibson whose telephone number is (703) 308-1765. The examiner can normally be reached on Mon-Fri., 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David S Martin can be reached on (703) 308-3121. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-5115.

July 16, 2003


Randy W. Gibson
Primary Examiner
Art Unit 2841